

VACRON-CMS

User's Manual



Notice before use

Welcome to use VACRON's IP Camera CMS Management system. This Manual will introduce Basic features to help you to familiar with this product. Please refer to "CMS USER's MANUAL" in CD for other advance features

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Chapter 1 【Installation】

1. System Requirements

Minimum system requirement

1.1 Hardware Requirement:

- ◆ CPU: Intel Core 2 Duo or above
- ◆ RAM: Minimum 1 GB. 2GB or above is recommended
- ◆ HDD: SATA 200GB or above is recommended
- ◆ Display card: Independent display card with 1GB RAM or above is suggested
- ◆ Make sure your display DPI setting is set to 96DPI
- ◆ Ethernet interface: 100Mb Ethernet card or above

1.2 Software Requirement

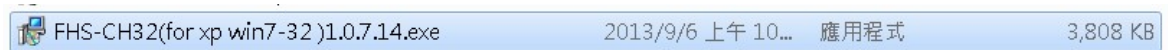
- ◆ OS: Windows 2000(SP4), Windows XP, Windows 2003, Windows Vista, and Windows 7

Installation CD Contents

- ◆ 32CH CMS Installation File
- ◆ User' s Manual
- ◆ IPSearcher (Device search software for VACRON IPCAM, NVR, DVR, etc...)

2. Process of installation

Execute FHS-CH32.exe installation application



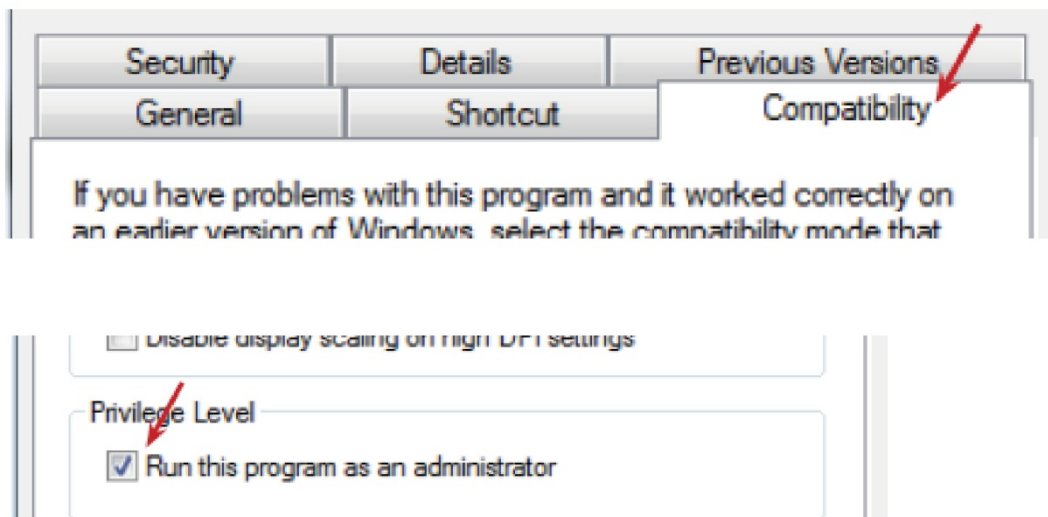


Chapter 2 【Start CMS】

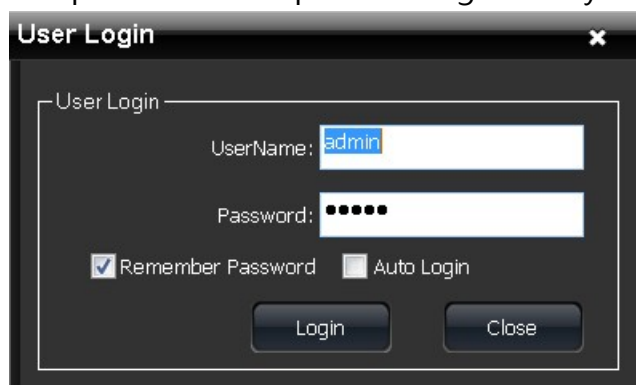
1. Running the software in Windows Vista or Windows 7

Due to the UAC (User Access Control) function in Windows Vista or Windows 7, the software would need to be run under the "Administrator" privilege. If you are lower than "Administrator" privilege level, you must follow the instructions below when every time you start the program: (Windows XP don't need this setting.)

Right-click the Driver Execution program  on desktop, click on the "Properties" option and change "Privilege Level" by enable "Run this program as an Administrator" in "Compatibility" page.

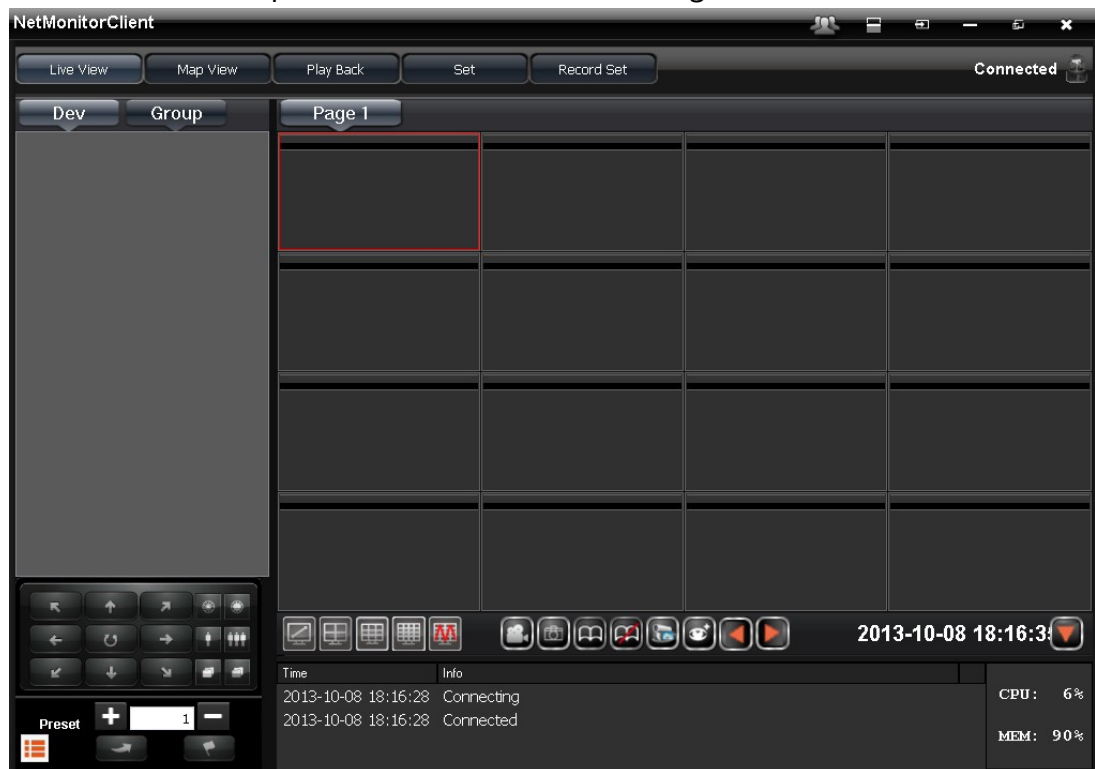


- ♦ You will see login window popup, application will login automatically. Application will login automatically at the first time execution system. After the configuration of user account is completed, input user account and password is required to login the system.





The default startup window at the first time login is as below.

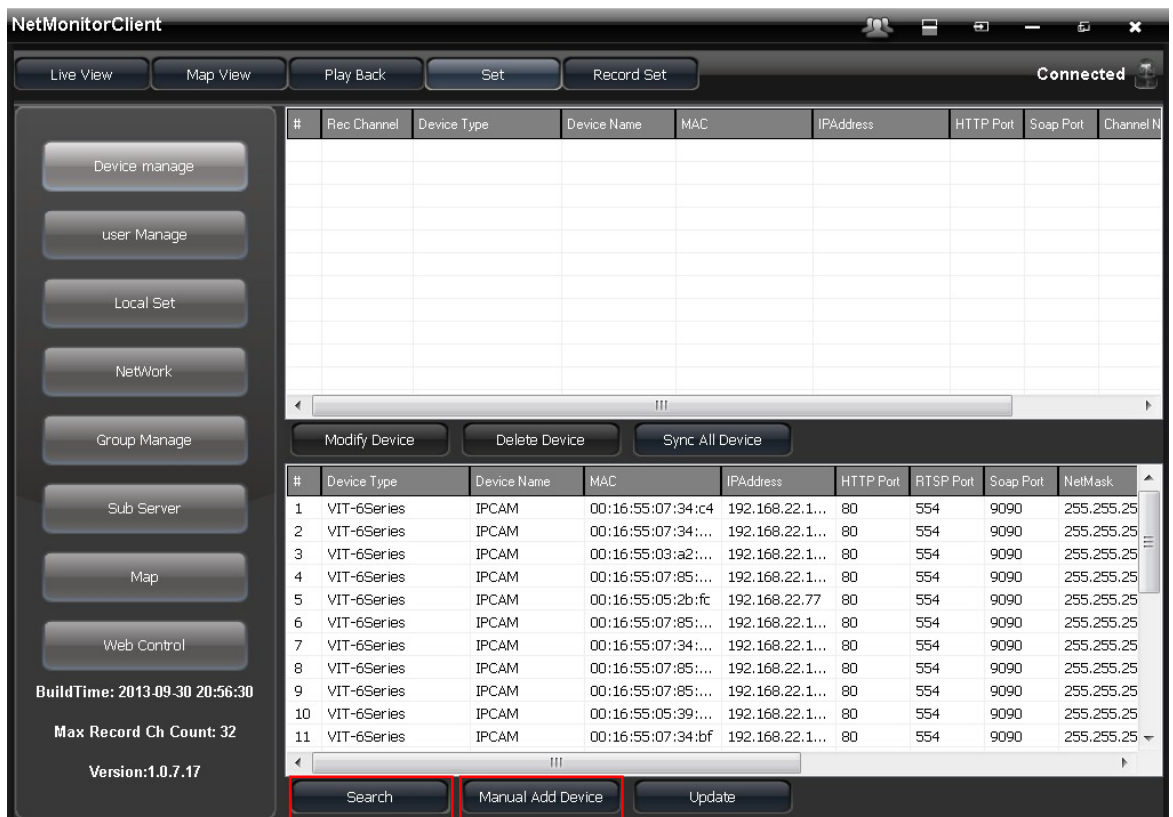
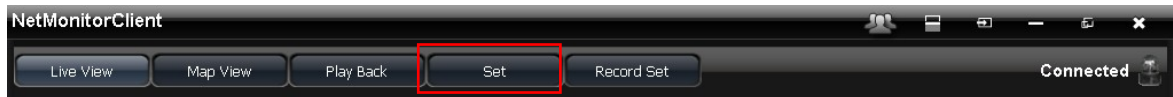




Chapter 3 【Basic Configurations】

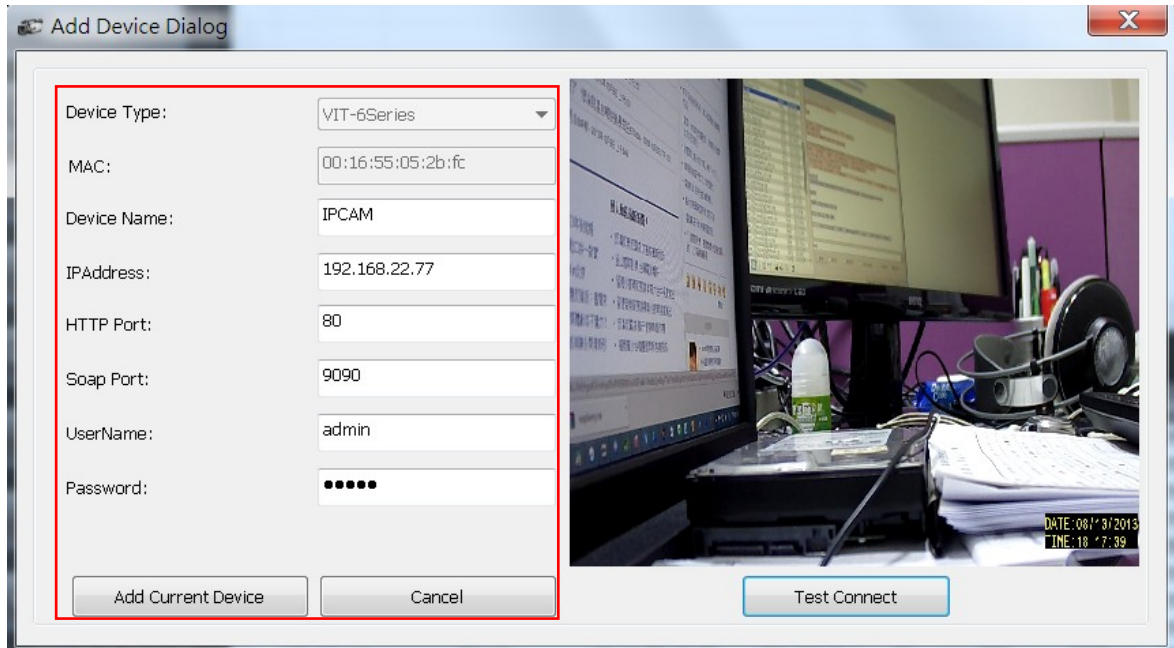
1. Add IP CAM

First, obtain IP address of IP CAMs that are already installed on Network. Use your mouse, Double-click "Set" button on top of the window to access IP CAM search page.

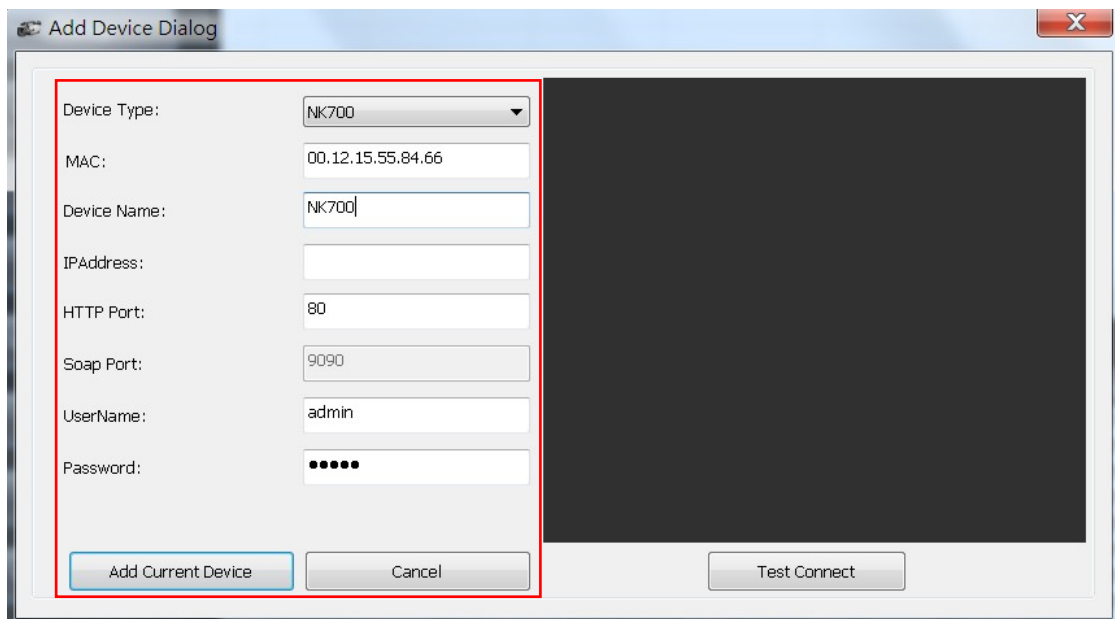




Use your mouse, Double-click IP CAM that is listed at the bottom of the window to display the IP CAM setting page. After configuration of username and password is completed correctly, click "Add Current Device" to add this IP CAM.

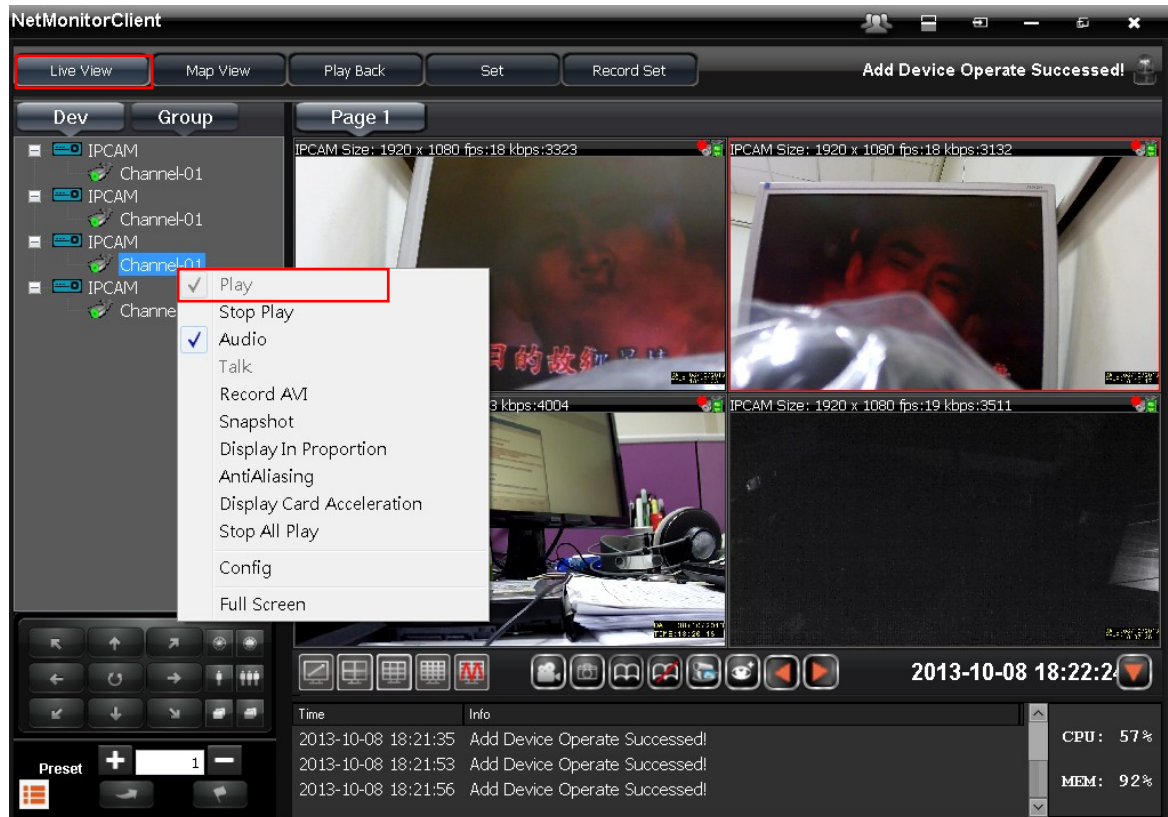


Click "Manual Add Device" can add complete product line of VACRON manually. After configuration of "Device Type", "IP Address", and Username/Password in drop-down menu is completed correctly, click "Add Current Device" to add this Device.



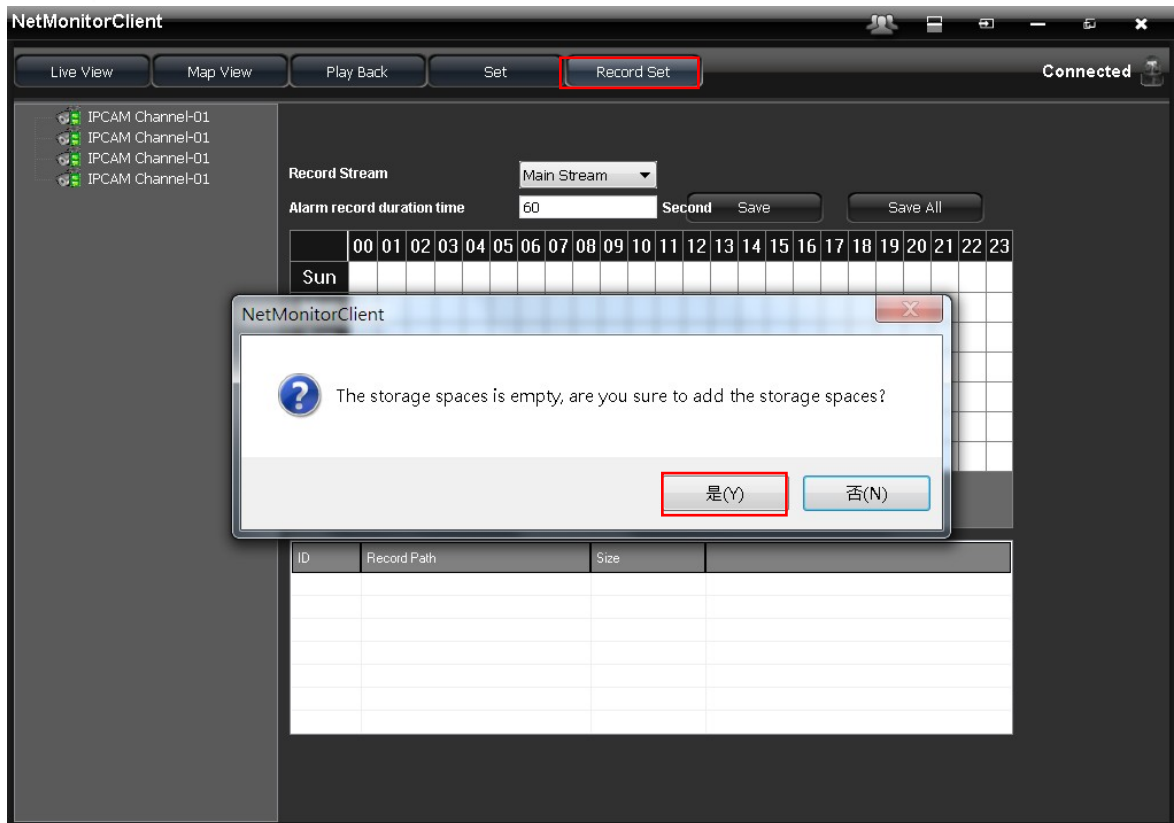


After IP CAM is added, click "Live View" button, then click "Dev" button, this IP CAM will be listed in the left side of the window. Use your mouse, right-click the IP CAM, and enable "Play" in popup window to display live-view image of this IP CAM.

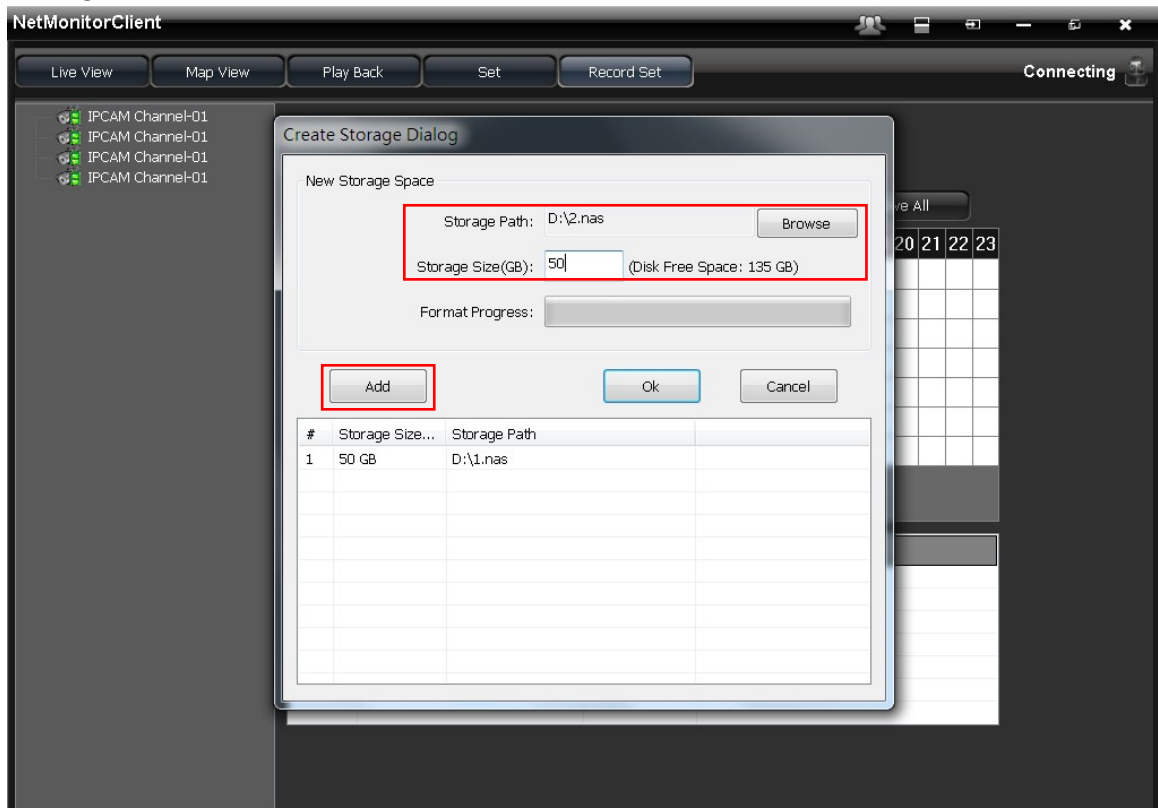


2. Add Record Path

After click "Record Set" by mouse on main page, a warning window will popup if "Storage Path" is not configured by user. Click "YES (Y)" to configure "Storage Path" on current available Hard Disk.



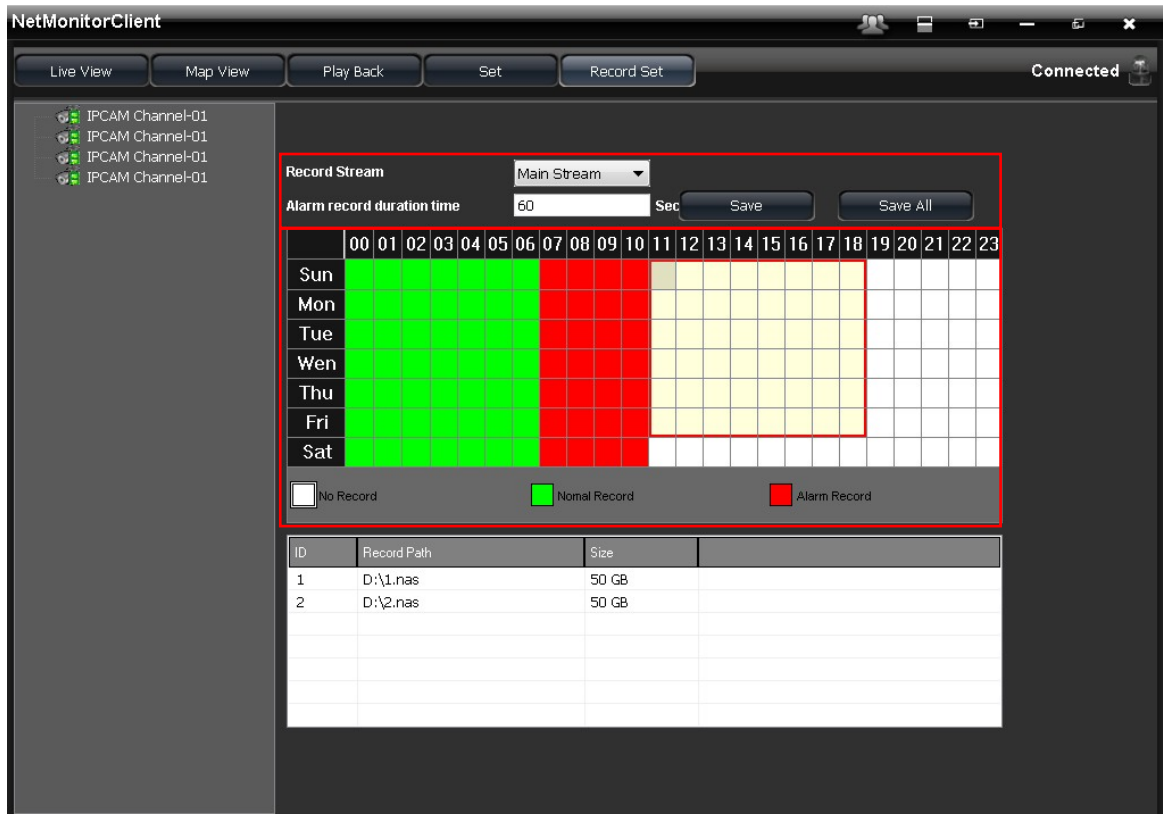
After the configuration of "Storage Path" and "Storage Size" is complete, Click "Add", the "Storage Path" that we configured will be listed in "Storage Path list". Click "OK", system will auto format according to the storage path.





After the configuration of "Storage Path" is complete, user can choose IPCAM to see the configuration of recording and set recording schedule by press left-key of mouse to drag the time-bar that we want to record.

After the configuration of one IPCAM is completed, click "Save All" to apply to all IPCAM in the list. Or click "Save" to apply to this IPCAM only.

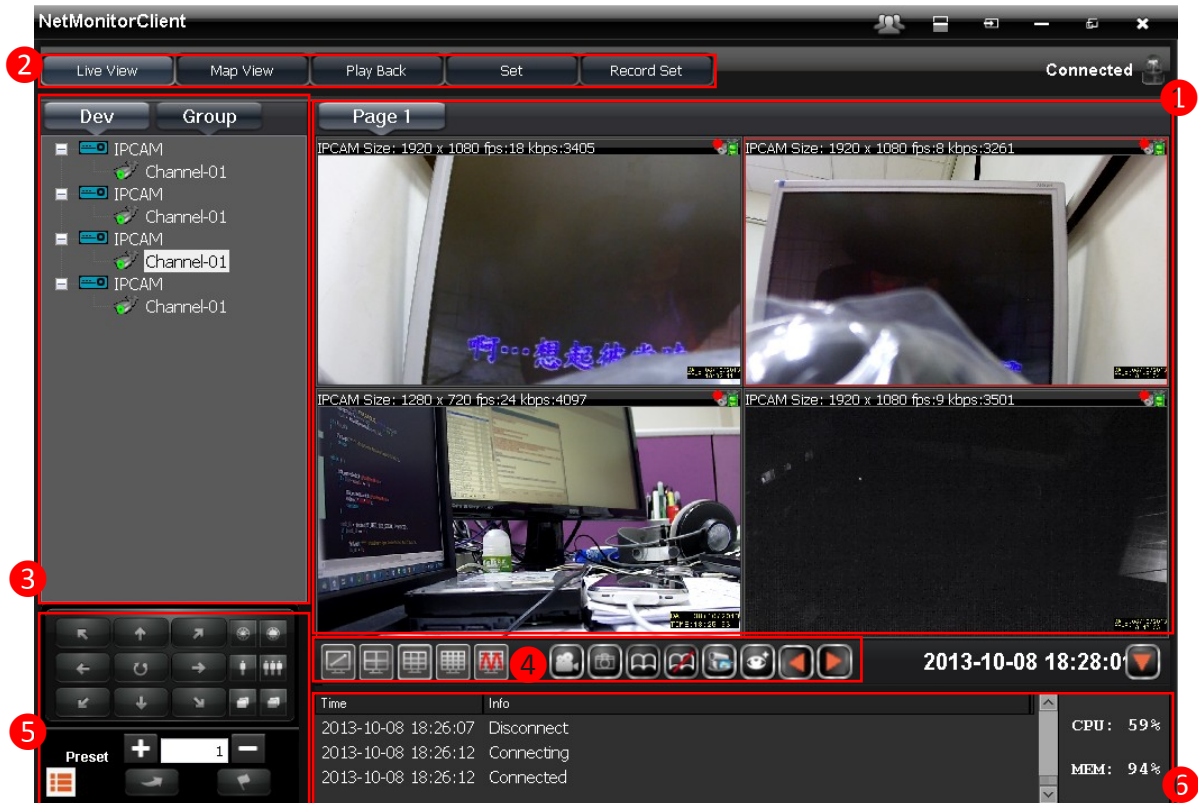


Record Stream can choose from "Main Stream" or "Sub Stream" according to available Storage Space. "Alarm Record Duration Time" can be set up manually. By choose different IP CAM in the left list, each IPCAM can have the best recording plan that can meet various scenarios.





3. Instruction of Main page



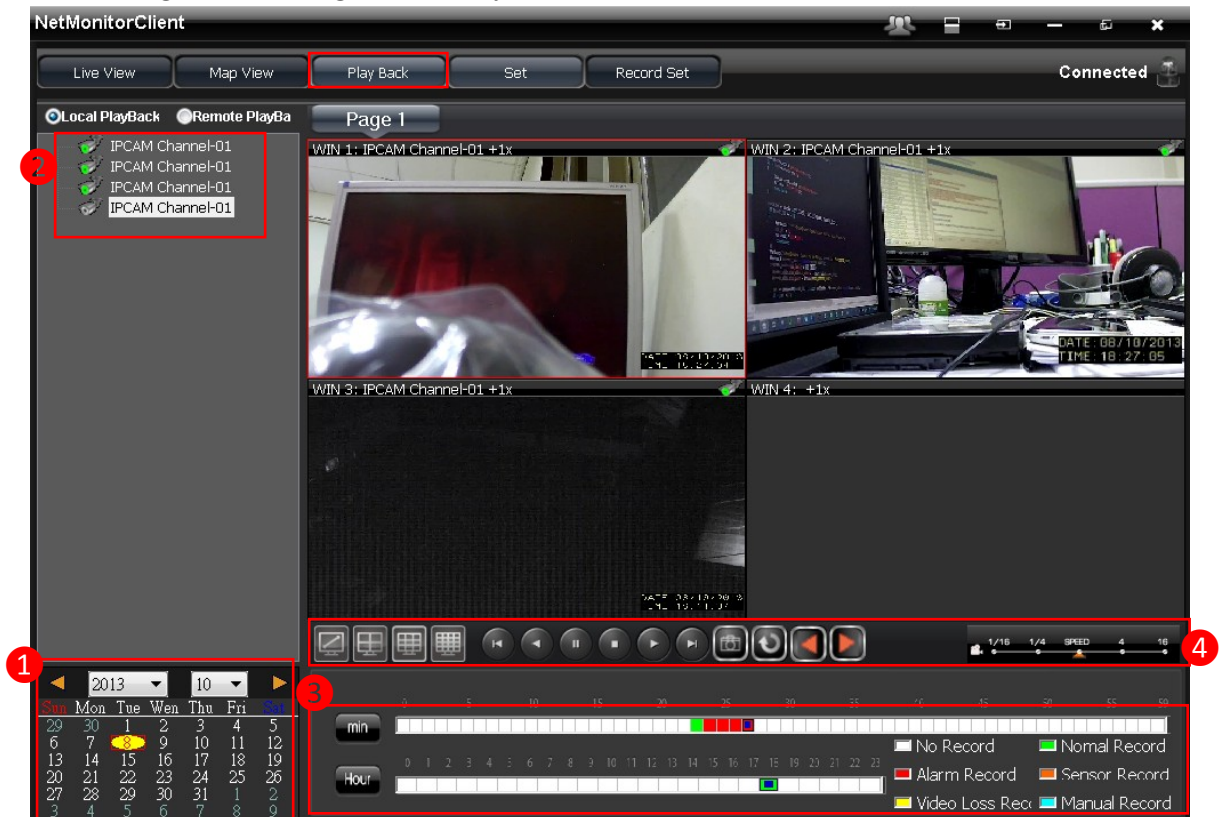
Instruction of sections:

- 1) It displays the Main live-view windows of CMS system. Window can be split to multiple windows by choose different split modes in Section 4, and each channel can display image size and bit rate on the top of live-view image.
- 2) This is the main menu of CMS, includes configuration pages of "Live-View" , "Map View" , "Play Back" , "Set" , "Record Set"
- 3) All available IP CAMs are listed in this section, parameter setting and playback in live-view window can be configured here. By right-click on IP CAM, the chosen IP CAM can do AVI recording and image Capture.
- 4) Different Split modes of Live-View can be chosen in this section. Switch between different pages of Live-View can be configured here, too.
- 5) Create Preset Point and adjust Focus of IPCAMs with PTZ feature can be done in this section.
- 6) This section can display real-time feedback and message of CMS log.



4. Play Back video

Play Back : Click "Play Back" button on the top of the main MENU to access the configuration page of "Play Back" .



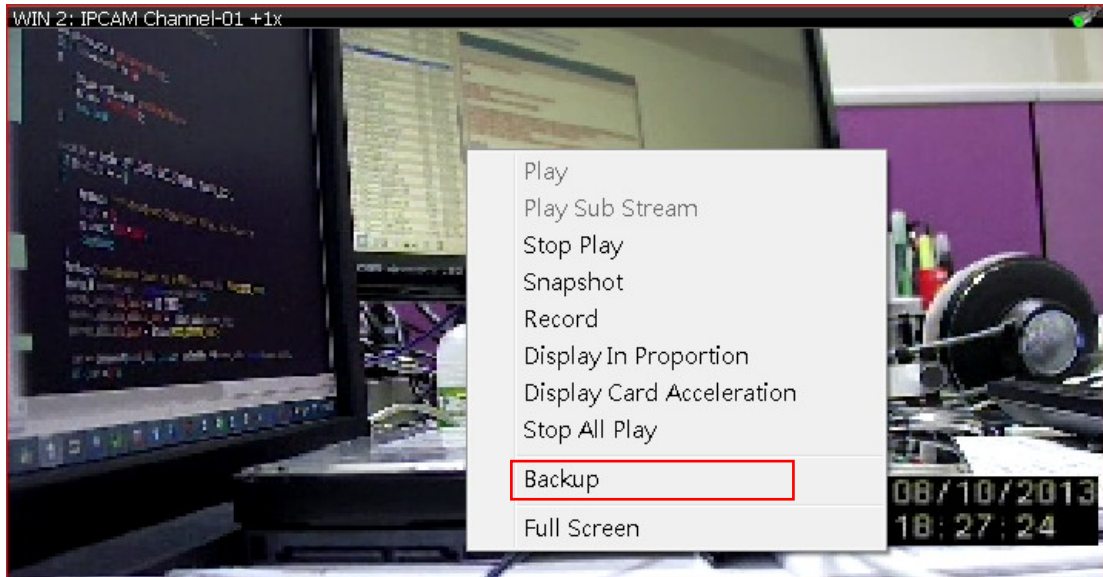
Instruction of Sections:

- 1) This section display calendar with marks to let user choose the date that recorded video is available conveniently. The dates on calendar with red frame indicate that recorded video is available in that day.
- 2) Choose the date that recorded video is available in section 1, right-click twice on the IPCAM that you want to open in section 2. Then section 3 will display period that has recorded video available on time-line, and indicate different type of recording by different color.
- 3) After choose period that has recorded video available in that day, user can use mouse to configure "Hour" and "Minute" that he want to Play Back in section 3. CMS will Play Back video after the start time of Play Back is configured.
- 4) This section will display feature buttons of Playback, including Re-Draw the time-line with mark that indicate the period has recorded video available in section 3, Capture, Play Back, Stop, etc.... Playback speed can be controlled by Speed-Bar at the right side of this section.

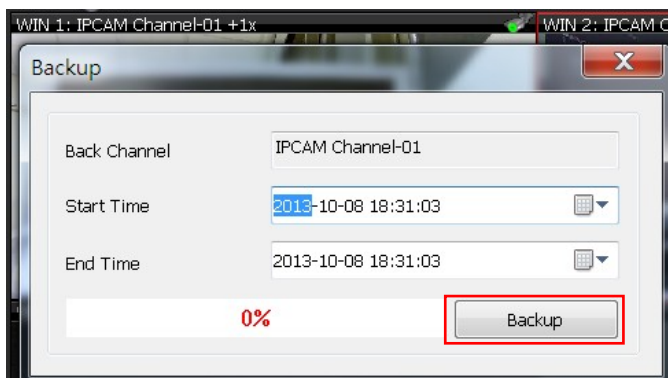
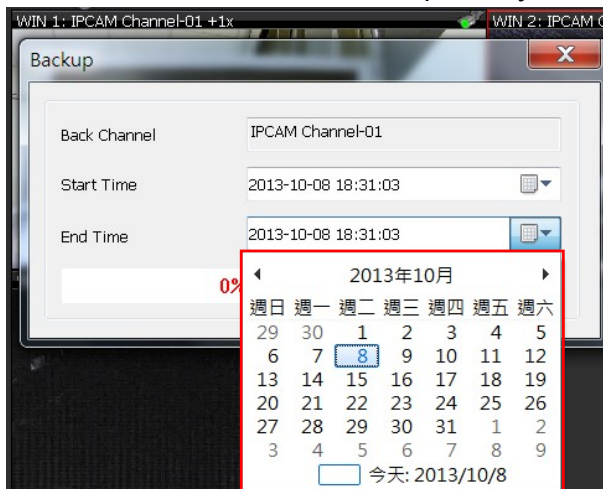


5. Backup

After the start-time that user want to backup is found, user can use mouse to right-click the channel and choose "Backup" in popup window.



After the start-time that user want to backup is configured, the video clip that user need can be backup easily and quickly.

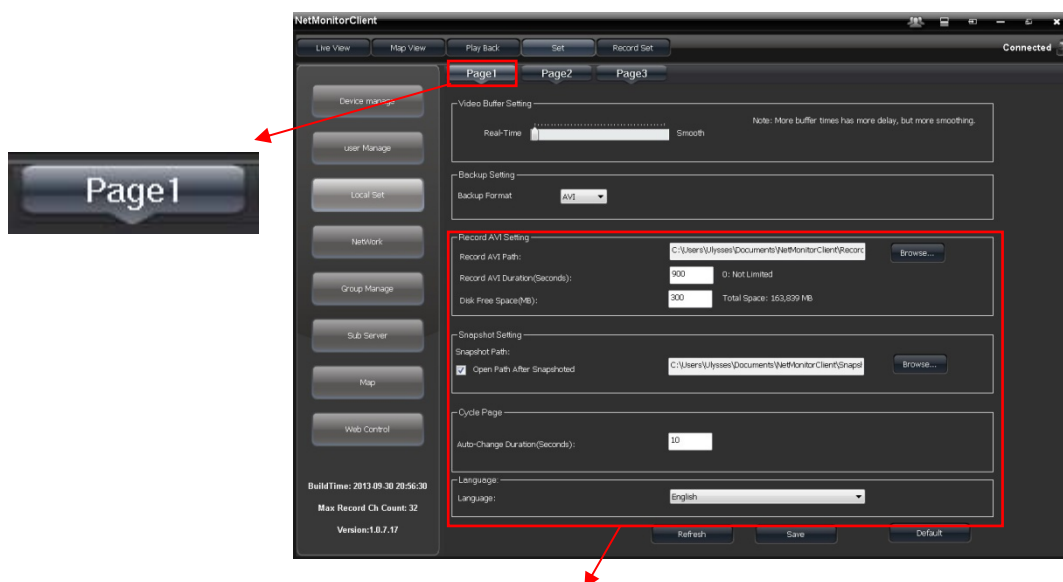




6. System setting

There are 3 pages to configure different features when user clicks the left list of "Local Set" .

Backup format, Record AVI Path, Snapshot Path, Auto-Change Duration of Live-View Cycle page, and language can be configured in page 1.



Record AVI Setting

Record AVI Path: C:\Users\Ulysses\Documents\NetMonitorClient\Record AVI Path\ Browse...

Record AVI Duration(Seconds): 900 0: Not Limited

Disk Free Space(MB): 300 Total Space: 163,839 MB

Snapshot Setting

Snapshot Path: C:\Users\Ulysses\Documents\NetMonitorClient\Snapshot Path\ Browse...

☒ Open Path After Snapshotted

Cycle Page

Auto-Change Duration(Seconds): 10

Language:

Language: English



Graphic Card support options, run CMS to see live-view and record video when Windows start, and Sync time on all devices with PC can be configured in page 2.

Page2

Page1 **Page2** Page3

Display

Display Mode: Display in the entire window

Display Card Acceleration: Disable

Display Type: YV12

Anti-Aliasing: Disable

Main Page Switch

Live View: Still All Play

Play Back: Pause All Play

Auto To Run When The Windows OS Starting

☐ Server ☐ Client ☐ Auto Login

Sync Time With PC

☒ All Device Sync Time With PC

Refresh Save Default

Auto To Run When The Windows OS Starting

☐ Server ☐ Client ☐ Auto Login

Sync Time With PC

☒ All Device Sync Time With PC

Alarm type and Alarm Duration time can be configured in page 3.

Page3

Page1 Page2 **Page3**

Alarm Setting

Alarm Duration Time(Second): 5

Alarm Audio: On

Alarm Type

☐ Device Disconnect Alarm

☐ Device Reconnect Alarm

☒ Motion Detect Alarm

☒ GPIO Detect Alarm

Refresh Save Default



7. Add IP CAM Group

User can configure Group of Live-View in “Group Manage” page. So that targets that have the same property or the same area can be managed easier. Create Groups at the right side of the page firstly, and then configure Groups for IPCAMs by choosing from drop menu at the bottom of the page.

NetMonitorClient

Live View | Map View | Play Back | Set | Record Set | Connected

Device manage | user Manage | Local Set | NetWork | **Group Manage** | Sub Server | Map | Web Control

BuildTime: 2013-09-30 20:56:30
Max Record Ch Count: 32
Version: 1.0.7.17

#	Group ID	Group Name
1	ulysses	168
2	1234	1234

Group Information

Group ID:

Group Name:

Add Delete

#	Rec Channel	Device Type	Device Name	Belong Group	MAC	IPAdd
1	1	VIT-6Series	IPCAM	ulysses	00:16:55:98:76:1...	192.168.1.1
2	2	VIT-6Series	IPCAM	ulysses	00:16:55:05:2b:fc	192.168.1.2
3	3	VIT-6Series	IPCAM	ulysses	00:16:55:07:34:dc	192.168.1.3
4	4	VIT-6Series	IPCAM	1234	00:16:55:07:34:dc	192.168.1.4

NetMonitorClient

Live View | Map View | Play Back | Set | Record Set | Connected

Dev | Group | Page 1

ulysses

- IPCAM Channel-01
- IPCAM Channel-01

1234

- IPCAM Channel-01
- IPCAM Channel-01

IPCAM Size: 1920 x 1080 fps:19 kbps:3337

IPCAM Size: 1920 x 1080 fps:18 kbps:3220

IPCAM Size: 1280 x 720 fps:23 kbps:3990

IPCAM Size: 1920 x 1080 fps:19 kbps:3317

2013-10-08 18:34:5

Time: 2013-10-08 18:26:07 Disconnect
2013-10-08 18:26:12 Connecting
2013-10-08 18:26:12 Connected

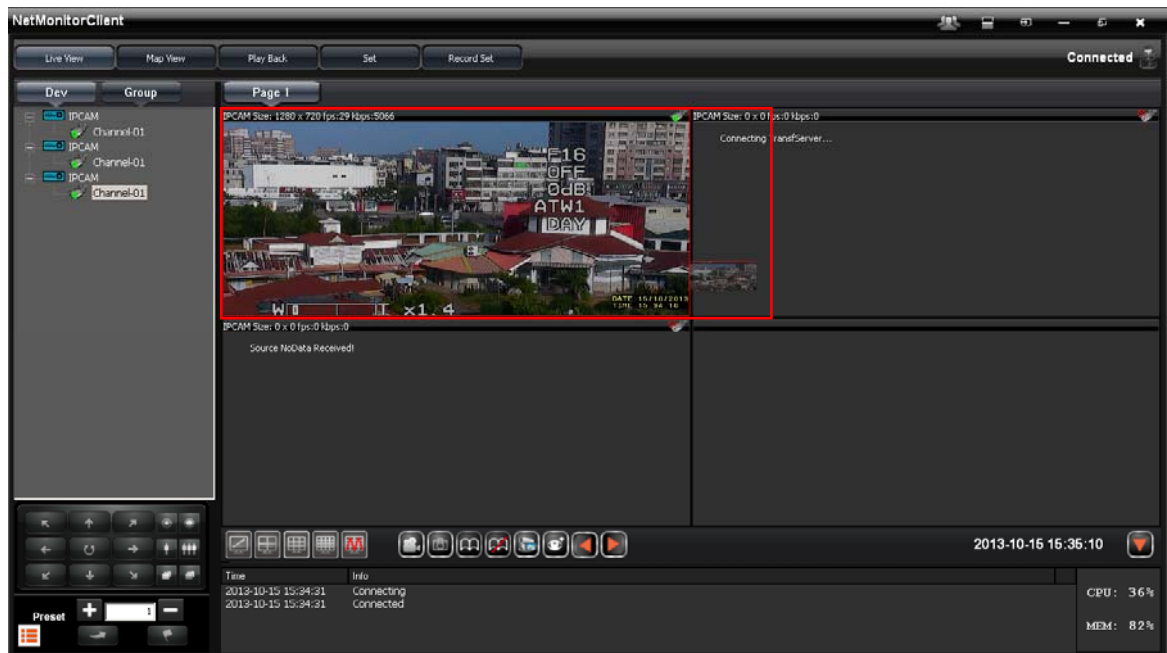
CPU: 49%
MEM: 96%



Chapter 4 【Introduction of Special features】

1. Swap Live-View channels by using a mouse to drag

After IPCAM was added to Live-View window, if the sequence of Channels need to be changed, press left button of mouse on the Channel that need to be swap, a small transparent window will popup, drag the small transparent window to the other channel and release left button of the mouse to swap these 2 channels.

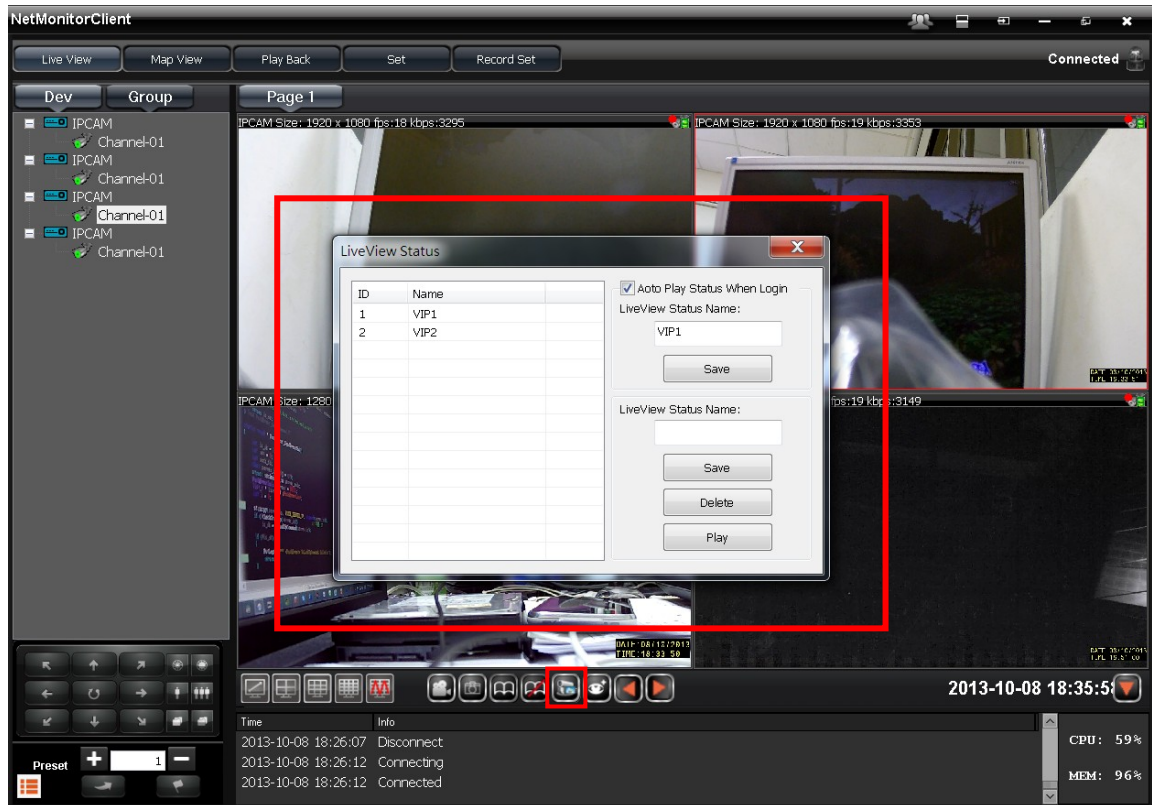




2. Support multiple boot-up module

When multiple Live-view status configurations when boot-up are needed,

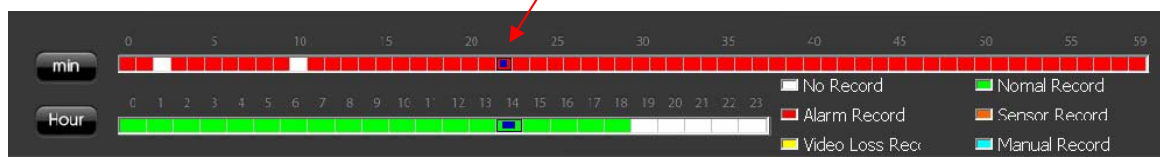
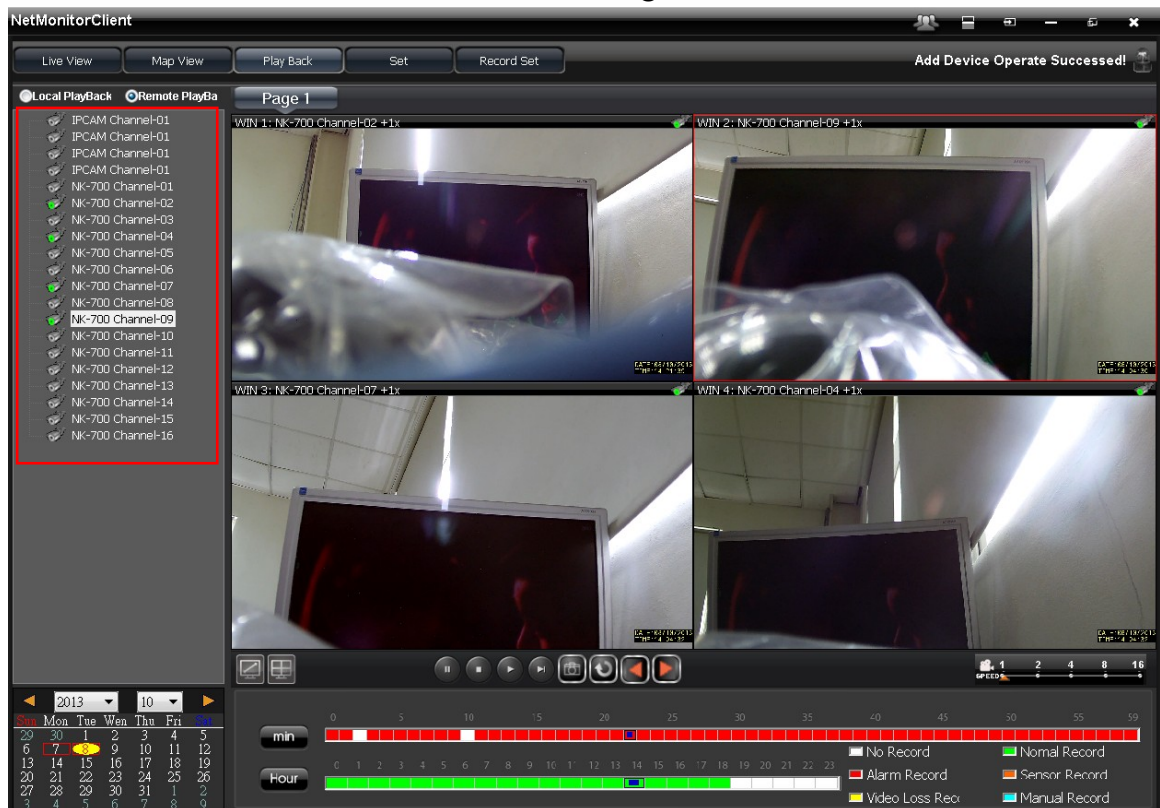
click “live-View status”  at the bottom of sub-menu to configure Live-View status. After Live-View status are created, one of the available Live-View status can be choose to be auto play when login.





3. Support Remote NVR playback

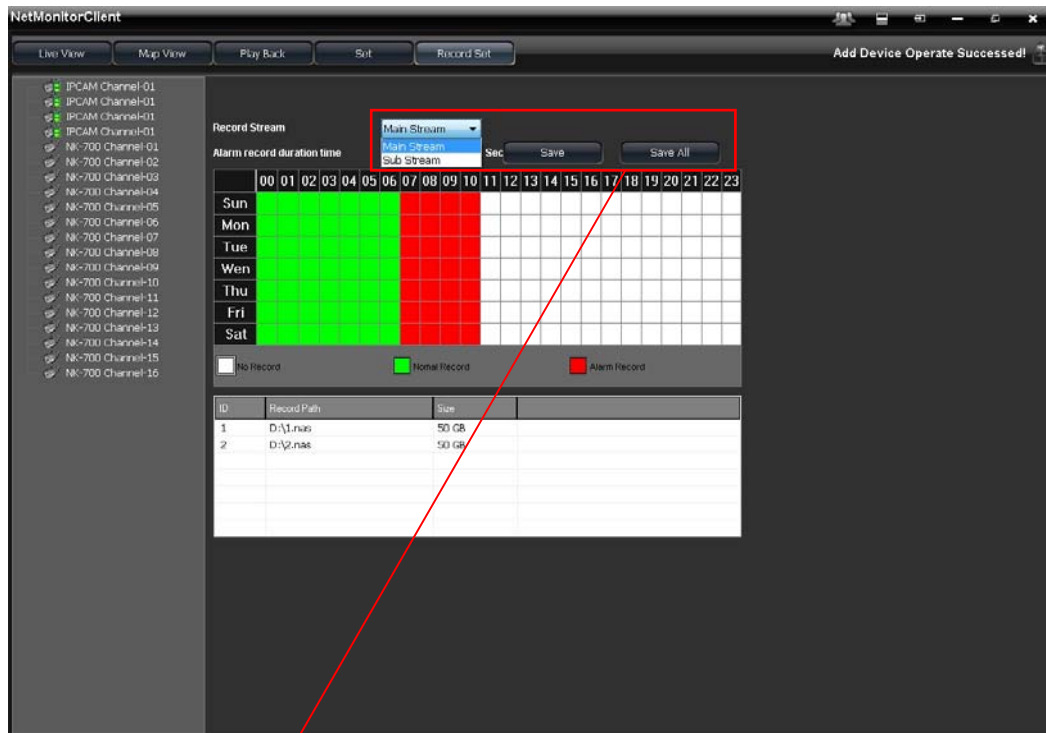
"Remote Playback" feature in "Play Back" page can play back video on any VACRON NVR at remote side. Choose "Remote Playback" feature in "Play Back" page, after the NVR/Channel is choose, the time-line with mark that indicate the period has recorded video available will display at the bottom of the page. User can configure "Hour" and "Minute" to play back recorded video on remote NVR through CMS.





4. Monitor Recording/Storage space

To save storage space, except recording by "motion detection", "Record stream" in "Record Set" page can configure either record "Main Stream" or "Sub Stream" for each channel by user to maximize the usage of HD space.





For More Information
Please check VACRON Website
<http://www.vacron.com>

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